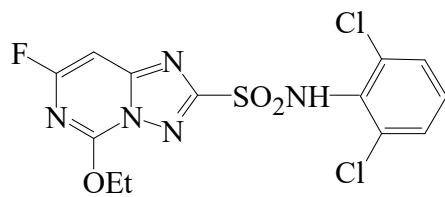




>>Entry Name: Diclosulam, ANSI, BSI

Synonym(s): *N*-(2,6-Dichlorophenyl)-5-ethoxy-7-fluoro[1,2,4]triazolo[1,5-*c*]pyrimidine-2-sulfonamide, 9Cl. Crosser. Spider. Strongarm. DE 564. XDE 564



CAS Registry Number: 145701-21-9

Molecular Formula: C₁₃H₁₀Cl₂FN₅O₃S

Molecular Weight: 406.224

Accurate Mass: 404.986542

Percentage Composition: C 38.44%; H 2.48%; Cl 17.45%; F 4.68%; N 17.24%; O 11.82%; S 7.89%

Biological Use/Importance: Inhibits acetolactate synthase enzyme. Herbicide

Physical Description: Solid

Melting Point: Mp 218-221°

pKa Value: pK_a 4 (20°)

Hazard & Toxicity: LD₅₀ (rat, orl) >5000 mg/kg

Other: Dow AgroSciences

References:

U.S. Pat., 1992, 5 163 995; *CA*, **118**, 213106f, (*synth, activity*)

Pesticide Manual, 12th edn., 2000, No. 235